

CONCLUSION

With this amendment, claims 1-17 and 19-49 are pending. Claim 18 has been canceled, and claims 8, 13, 16, 17, 19, 26, 41, 46, and 49 have been amended.

Should any fees under 37 CFR 1.16-1.21 be required for any reason relating to the enclosed materials, the Commissioner is authorized to deduct such fees from Deposit Account No. 10-1205/TDCO:007. The examiner is invited to contact the undersigned at the phone number indicated below with any questions or comments, or to otherwise facilitate expeditious and compact prosecution of the application.

Respectfully submitted,



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APPENDIX

MARKED UP VERSION OF AMENDMENTS
AS REQUIRED BY RULE 121

In The Claims:

8. (Once amended) A radio-frequency (RF) apparatus, comprising:
- a radio-frequency receiver circuitry configured to receive via a communication link a plurality of pulses that result from a transmission of a radio-frequency pulse in a multipath propagation medium; and
- a detector circuitry coupled to the radio-frequency receiver circuitry, the detector circuitry configured to detect a direct-path pulse in the plurality of pulses based in part on a noise floor characteristic of the communication link.
13. (Once amended) The apparatus of claim 12, in which the threshold signal comprises an overall standard deviation of [a] the noise floor of the communication link, multiplied by a scaling factor.
16. (Once amended) The apparatus of claim 15, wherein the overall noise standard deviation comprises an average of a plurality of successively obtained standard deviations of [a] the noise floor of the communication link.

17. (Once amended) A communication system, comprising:
- a transmitter circuitry configured to transmit a radio-frequency pulse into a multipath propagation medium;
 - a receiver circuitry configured to receive via a communication link a plurality of pulses that result from the transmission of the radio-frequency pulse into the multipath propagation medium; and
 - a detector circuitry configured to detect a direct-path pulse in the received plurality of pulses by using a noise floor characteristic of the communication link.

[18. (Canceled) The system of claim 17, in which the receiver circuitry receives the plurality of pulses via a communication link.]

19. (Once amended) The system of claim [18] 17, in which the detector circuitry detects the direct-path signal within a data frame that corresponds to the plurality of pulses.

26. (Once amended) The system of claim 25, wherein the overall noise standard deviation comprises an average of a plurality of successively obtained standard deviations of [a] the noise floor of the communication link.

41. (Once amended) A method of detecting a direct-path pulse in a radio-frequency (RF) apparatus, comprising:

receiving via a communication link a plurality of pulses that result from a

transmission of a radio-frequency pulse in a multipath propagation

medium; and

detecting a direct-path pulse in the plurality of pulses by using a detector circuitry

in the radio frequency apparatus, the detector circuitry adapted to be

responsive to a noise floor of the communication link.

46. (Once amended) The method of claim 45, further comprising:

determining an overall standard deviation of [a] the noise floor of the

communication link; and

multiplying the overall standard deviation of the noise floor by a scaling factor to

obtain the threshold signal.

49. (Once amended) The method of claim 48, which further includes averaging a

plurality of successively obtained standard deviations of [a] the noise floor of the

communication link to obtain the overall noise standard deviation.